



## FACILITY PERMIT TO OPERATE TESORO REFINING & MARKETING CO. LLC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

#### EQUIPMENT DESCRIPTION:

Additions to the equipment description are **bold** and **underlined**. Deletions are ~~strikeouts~~.

#### **Section D-Permit To Operate**

Description	ID No.	Connected To	RECLAIM Source Type	Emissions* And Requirements	Conditions
<b>Process 16: PETROLEUM STORAGE TANKS</b>					
<b>SYSTEM 2: FLOATING ROOF TANKS</b>					S13.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 33, 80,000 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 42 FT 10 IN WITH  FLOATING ROOF, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, <b><u>METALLIC SHOE</u></b>  <b><u>SECONDARY SEAL, CATEGORY B, RIM MOUNTED WIPER TYPE</u></b>  A/N: <del>553079</del> , 557871	D1159			HAP: (10) [RULE 40CFR 63 SUBPART CC, #2, 5-25-2001]	<del>B22.9, C1.72, K67.5,</del> <b><u>B22.XX,</u></b> <b><u>B59.X,</u></b> <b><u>K67.21</u></b>



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Description	ID No.	Connected To	RECLAIM Source Type	Emissions* And Requirements	Conditions
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 34, 100,000 BBL; <b><u>DIAMETER: 134 FT 8 IN; HEIGHT: 40 FT 7 IN</u></b> WITH  FLOATING ROOF, DOUBLE DECK  PRIMARY SEAL, CATEGORY A, <b><u>METALLIC SHOE</u></b>  <b><u>SECONDARY SEAL, CATEGORY B, RIM MOUNTED</u></b>  A/N: <del>553080</del> , 557872	D1160			HAP: (10) [RULE 40CFR 63 SUBPART CC, #2, 5-25-2001]	<del>B22.9, C1.72, K67.5,</del> <b><u>B22.XX,</u></b> <b><u>B59.X,</u></b> <b><u>K67.21</u></b>

- |  |  |
|--|--|
| * (1) Denotes RECLAIM emission factor                  | (2) Denotes RECLAIM emission rate                          |
| (3) Denotes RECLAIM concentration limit                | (4) Denotes BACT emission limit                            |
| (5)(5A)(5B) Denotes command and control emission limit | (6) Denotes air toxic control rule limit                   |
| (7) Denotes NSR applicability limit                    | (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.) |
| (9) See App B for Emission Limits                      | (10) See Section J for NESHAP/MACT requirements            |

\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

### RECOMMENDATIONS

#### PROCESS CONDITIONS (None)

#### SYSTEM CONDITIONS

S13.3 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463
VOC	District Rule	1149
VOC	District Rule	1178
	District Rule	



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[RULE 1149, 5-2-2008; **RULE 1178, 4-7-2006; RULE 463, 5-6-2005**]

[Systems subject to this condition: Process 16, System 2, 3]

### DEVICE CONDITIONS

#### A. Material/Fuel Type Limits

**B22.9** The operator shall not use this equipment with materials having a(n) true vapor pressure of 0.1 psia or greater under actual operating conditions.

Whenever there is a change in the product types, the operator shall determine the flash point of the organic material stored using ASTM Method D-93. Those materials having a flash point less than 100 degrees F as determined by this test will be considered as having a true vapor pressure of greater than 5 mm Hg (0.1 psi) absolute under actual storage conditions. The test must be conducted within five days of changing product types.

The operator shall keep records of the date when there is a change in material stored, along with the test results at the facility for a period of five years. These records shall be made available to the Executive Officer upon request.

[**RULE 1178, 4-7-2006**]

[Devices subject to this condition : D1070, D1071, D1090, D1140, ~~D1159, D1160~~]

**B22.xx** **The operator shall only use this equipment with materials having a(n) true vapor pressure of 0.066psia or less under actual operating conditions.**

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

**[Devices subject to this condition: D1159, D1160]**

**B59.x** **The operator shall only use the following material(s) in this device :**

**Jet Fuel /Sweet Distillate**

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

**[Devices subject to this condition : D1159, D1160]**



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The operator shall comply with the terms and conditions set forth below:

#### Throughput or Operating Parameters Limits

C1.72 The operator shall limit the throughput to no more than ~~320,000~~ 640,000 barrel(s) in any one calendar month.

The operator shall calculate the throughput, in barrels, by the following equation:  $0.14 \times D \times D \times L$ , where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way roof travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the roof. For the purpose of this condition, continuous recording is defined as once every 15 minutes.

The operator shall calculate the total one-way roof movement, in feet, on a monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the time that the ATLG went out of service.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D1159, D1160]

#### **Monitoring/Testing Requirements (None)**

#### **Record Keeping/Reporting**

K67.5 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Throughput and vapor pressure of liquid stored.



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**[RULE 1178, 4-7-2006; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 5-6-2005]**

[Devices subject to this condition : D800, D801, D1067, D1069, D1070, D1071, D1072, D1073, D1074, D1075, D1078, D1079, D1080, D1081, D1083, D1084, D1085, D1086, D1087, D1089, D1090, D1091, D1092, D1093, D1098, D1099, D1102, D1103, D1104, D1106, D1107, D1108, D1109, D1110, D1111, D1116, D1120, D1121, D1122, D1123, D1124, D1125, D1126, D1128, D1130, D1139, D1140, D1141, D1142, D1144, D1145, D1146, D1153, ~~D1159, D1160~~, D1164, D1165, D1175, D1185, D1186, D1187, D1193, D2789]

K67.21 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The operator shall determine the true vapor pressure of each material stored in the equipment by one of the following methods:

- 1) sample and test the materials stored,
- 2) derive the vapor pressure using engineering calculations, or
- 3) maintain on file a copy of the Material Safety Data Sheet (MSDS) of the material stored.

Records of material stored, and their MSDS if applicable, shall be retained for a period of five years and made available to the Executive Officer upon request.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition: D1069, D1159, D1160]